

REMARKS

Applicants appreciate the detailed examination evidenced by the Final Official Action mailed April 7, 2009 (hereinafter the *Final Official Action*). In response, Applicants have amended independent Claim 1 as reflected above to further clarify that embodiments of programming an electronic device include "transferring command information only to the programmable memory controller circuit... wherein the control signals are only generated by the programmable memory controller circuit", which is not disclosed or suggested (either singularly in combination) by the cited references. *Independent Claim 20 includes analogous recitations and is also patentable for at least the additional reasons described herein.* Accordingly, Applicants respectfully request further examination of the amended claims and the allowance of all claims for at least the reasons described herein.

Further, contrary to assertions in the Final Official Action, the pending claims do describe that the buffer circuit stores data and address information included in the program data (*see Final Official Action, page 3*):

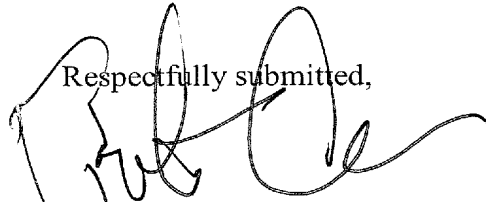
decoding addresses received without passing through the general operation processor circuit, to determine that data information transferred to the buffer circuit is directed to the programmable memory mapped address information transferred to the buffer circuit,

which details that the buffer circuit stores data and address information included in the program data when the programmable memory controller operates. Further, Claim 1 recites "a buffer circuit coupled to a programmable memory," which details that buffer circuit stores data information and address information included in the program data when the general operation circuit operates to program the program data to the programmable memory. Accordingly, the pending claims limit the transfer of information to the buffer while both the programmable memory controller and the general operation circuit operate.

Applicants respectfully request entry of the present Amendment and further favorable examination of the pending claims. If any informal matters arise the Examiner is encouraged to telephone the undersigned at 919-854-1400 for resolution of any outstanding issues.

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Respectfully submitted,

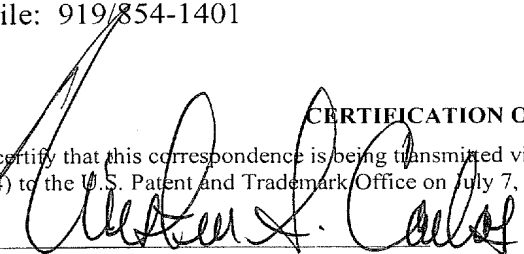


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CERTIFICATION OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4) to the U.S. Patent and Trademark Office on July 7, 2009.



Kirsten S. Carlos